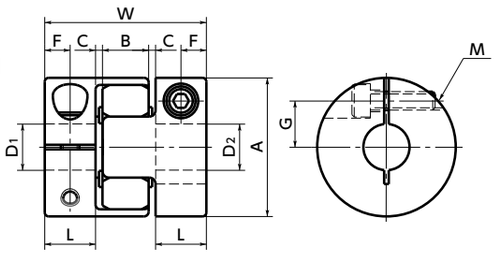
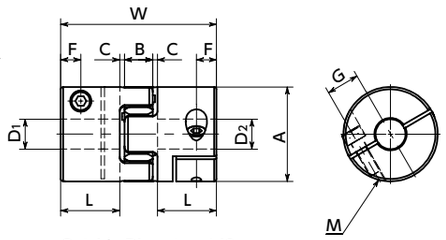
MJC-CS Flexible Coupling - Jaw - Type - Clamping Type

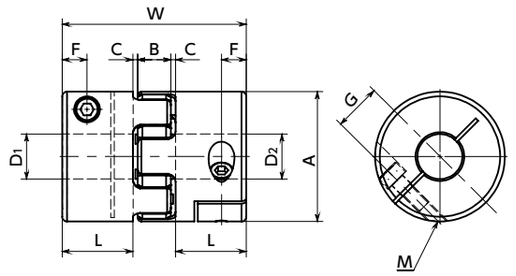
High torque　Vibration absorption　Electrical Insulation



Outside Diameter: ϕ14 - ϕ30



Outside Diameter: ϕ40



Outside Diameter: ϕ55 - ϕ95

Dimensions

Unit : mm

Part Number ◀1	Bore Diameter	A	L	W	B	C*1	Sleeve E	F	G	M	Screw Tightening Torque (N・m)
MJC-14CS	3≦D≦5	14	7	22	6	1	4	3.5	4	M2	0.5
	5<D≦7								5	M1.6	0.25
MJC-20CS	4≦D≦8	20	10	30	8	1	6	5	6.5	M2.5	1
	8<D≦11								7.5	M2	0.5
MJC-25CS	4≦D≦10	25	12	34	8	1	8	6	9	M3	1.5
	10<D≦12.7								9.5	M2.5	1
MJC-30CS	6≦D≦12	30	11	35	10	1.5	10	5.5	10	M4	3.5
	12<D≦16								11	M3	1.5
MJC-40CS	7.9375≦D≦20	40	25	66	12	2	17	8.5	14	M5	8
	20<D≦25								15.75	M4	3.5
MJC-55CS	9.525≦D≦28	55	30	78	14	2	26	10.5	20	M6	13
	28<D≦32								21	M5	8
MJC-65CS	12.7≦D≦32	65	35	90	15	2.5	29.5	13	24	M8	28
	32<D≦38.1								25	M6	13
MJC-80CS	19.05≦D≦42	80	45	114	18	3	35.5	15	30	M8	28
	42<D≦45								31		
MJC-95CS	25≦D≦48	95	50	126	20	3	44	18	34	M10	55
	48<D≦55								36		

*1 : Use with C Dimension

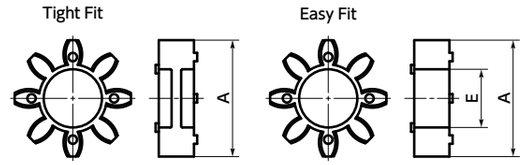
Part Number	Standard metric bore diameter D1・D2 ◀3																													
	3	4	4.5	5	6	6.35	7	8	9.525	10	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	48	50	55
MJC-14CS	●	●	●	●	●	●	●																								
MJC-20CS		●	●	●	●	●	●	●	●	●	●																				
MJC-25CS		●	●	●	●	●	●	●	●	●	●	●																			
MJC-30CS					●	●	●	●	●	●	●	●	●	●	●																
MJC-40CS								●	●	●	●	●	●	●	●	●	●	●	●	●	●										
MJC-55CS										●	●	●	●	●	●	●	●	●	●	●	●	●	●	●							
MJC-65CS													●	●	●	●	●	●	●	●	●	●	●	●	●	●					
MJC-80CS																		●	●	●	●	●	●	●	●	●	●	●	●		
MJC-95CS																					●	●	●	●	●	●	●	●	●	●	●

Part Number	Standard inch bore diameter D1・D2 ◀3																						
	1 / 8	3 / 16	1 / 4	5 / 16	3 / 8	7 / 16	1 / 2	9 / 16	5 / 8	11 / 16	3 / 4	13 / 16	7 / 8	15 / 16	1	1-1 / 8	1-1 / 4	1-3 / 8	1-1 / 2	1-5 / 8	1-3 / 4
MJC-14CS	●	●	●																		
MJC-20CS		●	●	●	●																
MJC-25CS		●	●	●	●	●	●														
MJC-30CS			●	●	●	●	●	●	●												
MJC-40CS				●	●	●	●	●	●	●	●										
MJC-55CS					●	●	●	●	●	●	●	●	●	●	●						
MJC-65CS							●	●	●	●	●	●	●	●	●	●	●	●	●		
MJC-80CS											●	●	●	●	●	●	●	●	●	●	●
MJC-95CS															●	●	●	●	●	●	●

- All products are provided with hex socket head cap screw.
- Recommended dimensional allowances of applicable shaft diameter are h6 and h7.
- A set of hubs with clamping type for one side and set screw type or other type for the other side is available upon request.
- In case of mounting on D-cut shaft, be careful about the position of the D-cut surface of the shaft.
- For the shaft insertion amount to the coupling, see Mounting/maintenance.

Additional Keyway at Shaft Hole ➡ P.xxxx	Cleanroom Wash & Packaging ➡ P.xxxx	Change to Stainless Steel Screw ➡ P.xxxx
Available / Add'l charge	Available / Add'l charge	Available / Add'l charge

- Sleeve Details



- Ambient Temperature / Temperature Correction Factor

Ambient Temperature	Temperature Correction Factor
−20℃ to 30℃	1.00
30℃ to 40℃	0.80
40℃ to 60℃	0.70

Performance

Part Number	Sleeve ◀2 Tight Fit	Sleeve ◀2 Easy Fit	Max. Bore Diameter (mm)	Rated*1 torque (N・m)	Max.*1 torque (N・m)	Zero Backlash*3 Allowable Transmission Torque (N・m)	Max. Rotational Frequency (min-1)	Moment*2 of Inertia (kg・m2)	Static Torsional Stiffness (N・m / rad)	Max. Lateral Misalignment (mm)	Max. Angular Misalignment (°)	Max. Axial Misalignment (mm)	Mass*2 (g)	Sleeve Hardness (JIS)
MJC-14CS	BL	EBL	7	0.7	1.4	0.1	45000	1.9 x 10-7	8	0.15	1	+0.6 0	6.2	
MJC-20CS	BL	EBL	11	1.8	3.6	0.2	31000	1.0 x 10-6	16	0.2	1	+0.8 0	16	
MJC-25CS	BL	EBL	12.7	3	6	0.4	25000	3.2 x 10-6	32	0.2	1	+0.9 0	34	
MJC-30CS	BL	EBL	16	4	8	0.5	21000	6.0 x 10-6	46	0.2	1	+1.0 0	42	
MJC-40CS	BL	EBL	25	4.9	9.8	1.2	15000	3.6 x 10-5	380	0.15	1	+1.2 0	130	A80
MJC-55CS	BL	EBL	32	17	34		11000	1.6 x 10-4	1400	0.2	1	+1.4 0	310	
MJC-65CS	BL	EBL	38.1	46	92		9000	3.5 x 10-4	2800	0.2	1	+1.5 0	500	
MJC-80CS	BL	EBL	45	95	190		7000	1.0 x 10-3	3200	0.2	1	+1.8 0	1000	
MJC-95CS	BL	EBL	55	130	260		6000	2.3 x 10-3	3600	0.2	1	+2.0 0	1600	
MJC-14CS	WH	EWH	7	1.2	2.4	0.1	45000	1.9 x 10-7	14	0.1	1	+0.6 0	6.2	
MJC-20CS	WH	EWH	11	3	6	0.2	31000	1.0 x 10-6	29	0.15	1	+0.8 0	16	
MJC-25CS	WH	EWH	12.7	5	10	0.4	25000	3.2 x 10-6	60	0.15	1	+0.9 0	34	
MJC-30CS	WH	EWH	16	7.5	15	0.5	21000	6.0 x 10-6	73	0.15	1	+1.0 0	42	
MJC-40CS	WH	EWH	25	10	20	1.2	15000	3.6 x 10-5	570	0.1	1	+1.2 0	130	A92
MJC-55CS	WH	EWH	32	35	70		11000	1.6 x 10-4	1600	0.15	1	+1.4 0	310	
MJC-65CS	WH	EWH	38.1	95	190		9000	3.5 x 10-4	3000	0.15	1	+1.5 0	500	
MJC-80CS	WH	EWH	45	190	380		7000	1.0 x 10-3	5300	0.15	1	+1.8 0	1000	
MJC-95CS	WH	EWH	55	265	530		6000	2.3 x 10-3	6200	0.15	1	+2.0 0	1600	
MJC-14CS	RD	ERD	7	2	4	0.1	45000	1.9 x 10-7	22	0.1	1	+0.6 0	6.2	
MJC-20CS	RD	ERD	11	5	10	0.2	31000	1.0 x 10-6	55	0.1	1	+0.8 0	16	
MJC-25CS	RD	ERD	12.7	7.2	14.4	0.4	25000	3.2 x 10-6	120	0.1	1	+0.9 0	34	
MJC-30CS	RD	ERD	16	12.7	25	0.5	21000	6.0 x 10-6	130	0.1	1	+1.0 0	42	
MJC-40CS	RD	ERD	25	17	34	1.2	15000	3.6 x 10-5	1200	0.1	1	+1.2 0	130	A98
MJC-55CS	RD	ERD	32	60	120		11000	1.6 x 10-4	2600	0.1	1	+1.4 0	310	
MJC-65CS	RD	ERD	38.1	160	320		9000	3.5 x 10-4	4900	0.1	1	+1.5 0	500	
MJC-80CS	RD	ERD	45	325	650		7000	1.0 x 10-3	6500	0.1	1	+1.8 0	1000	
MJC-95CS	RD	ERD	55	450	900		6000	2.3 x 10-3	8900	0.1	1	+2.0 0	1600	
MJC-14CS	GR	EGR	7	2.4	4.8	0.1	45000	1.9 x 10-7	66	0.08	1	+0.6 0	6.2	
MJC-20CS	GR	EGR	11	6	12	0.2	31000	1.0 x 10-6	87	0.08	1	+0.8 0	16	
MJC-25CS	GR	EGR	12.7	9.6	19.2	0.4	25000	3.2 x 10-6	160	0.08	1	+0.9 0	34	
MJC-30CS	GR	EGR	16	16	32	0.5	21000	6.0 x 10-6	200	0.08	1	+1.0 0	42	
MJC-40CS	GR	EGR	25	21	42	1.2	15000	3.6 x 10-5	3000	0.08	1	+1.2 0	130	D64
MJC-55CS	GR	EGR	32	75	150		11000	1.6 x 10-4	9000	0.08	1	+1.4 0	310	
MJC-65CS	GR	EGR	38.1	200	400		9000	3.5 x 10-4	13000	0.08	1	+1.5 0	500	
MJC-80CS	GR	EGR	45	405	810		7000	1.0 x 10-3	14000	0.08	1	+1.8 0	1000	
MJC-95CS	GR	EGR	55	560	1120		6000	2.3 x 10-3	15000	0.08	1	+2.0 0	1600	

*1 : Correction of rated torque and max. torque due to load fluctuation is not required. However, if ambient temperature exceeds 30℃, be sure to correct the rated torque and max. torque with temperature correction factor shown in the table. MJC-CS's allowable operating temperature is −20℃ to 60℃.

*2 : These are values with max. bore diameter.

*3 : For transmission with Zero Backlash, please use a tight fit sleeve.

- Part number specification

MJC-30CS - GR - 7-8
◀1　◀2　◀3

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